

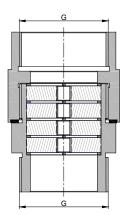
Type sheet Bi-directional in-line detonation flame arrester KITO[®] FS-Det4-IIA-...-1.2

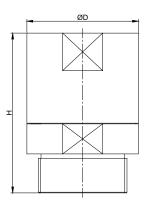


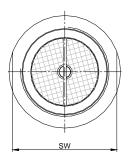
Application

Installation into pipelines as inline detonation flame arrester e. g. for the protection of ignition gas lines or measuring devices. Applicable for all materials of the explosion groups IIA1 up to IIA with a maximum experimental safe gap (MESG) > 0.9 mm. Operating from both sides, for a maximum operating pressure of 1.2 bar abs. and a maximum operating temperature of 60 °C.

Dimension (mm)









thread	D	н	SW	kg
G ½"	35	69	30	0.4
G ¾"	40	69	36	
G 1"	45	69	41	0.6
G 1 ¼"	55	107	50	
G 1 ½"	60	107	55	
G 2"	75	107	70	2.0

Weight refers to the standard design

Example for order

KITO® FS-Det4-IIA-1"-1.2 (design with threaded connection G 1")

Type examination certificate to EN ISO 16852 and CE-marking in accordance to ATEX-Directive 2014/34/EU

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G 30 N 05-2018

Date:

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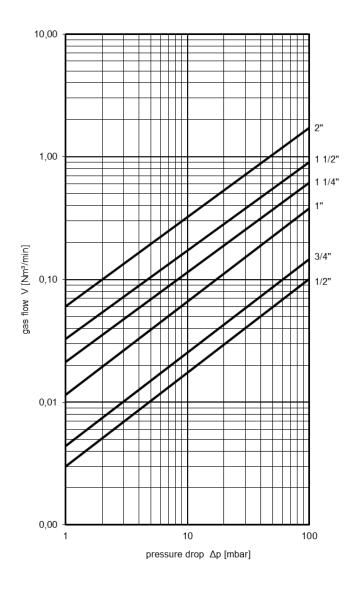
Design

	standard	optionally	
housing	stainless steel mat. no. 1.4571		
gasket	PTFE		
KITO [®] -grid	stainless steel mat. no. 1.4571		
interlayer	stainless steel mat. no. 1.4571		
connection	thread inside and outside		

Performance curves

Flow capacity V based on air of a density p = 1.29 kg/m³ at T = 273 K and atmospheric pressure p = 1.013 mbar. For other gases the flow can be approximately calculated by

$$\dot{\mathbf{V}} = \dot{\mathbf{V}}_{\mathrm{b}} \cdot \sqrt{\frac{\rho_{\mathrm{b}}}{1.29}} \ or \qquad \dot{\mathbf{V}}_{\mathrm{b}} = \dot{\mathbf{V}} \cdot \sqrt{\frac{1.29}{\rho_{\mathrm{b}}}}$$



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